Prof. Joseph AGUILAR-MARTIN  
L.A.A.S - C.N.R.S., France

Selected Scholarly Contributions [Data Provided by Scopus]

Botía, J.F., Isaza, C., Kempowsky, T., Le Lann, M.V., Aguilar-Martín, J.

Automaton based on fuzzy clustering methods for monitoring industrial processes


Lyamine, H., Aguilar-Martin, J., Le Lann, M.-V., Kempowsky, T.

Towards a unified principle for reasoning about heterogeneous data: A fuzzy logic framework


Coïc, E., Martin, J., Ryu, T., Tay, S.Y., Kondev, J., Haber, J.E.

Dynamics of homology searching during gene conversion in Saccharomyces cerevisiae revealed by donor competition


An implementation of a distributed artificial intelligence architecture to the integrated production management


Bravo, C., Aguilar-Castro, J., Ríos, A., Aguilar-Martín, J., Rivas, F.

Distributed artificial intelligence based architecture applied to the integrated industrial production management [Arquitectura basada en inteligencia artificial distribuida para la gerencia integrada de producción industrial]

Bravo, C., Saputelli, L., Castro, J.A., Ríos, A., Rivas, F., Aguilar-Martin, J.

**Automating the oilfield asset-artificial-intelligence-based integrated-production-management architecture**


Bravo, C., Saputelli, L., Castro, J.A., Ríos, A., Rivas, F., Aguilar-Martin, J.

**Automation of the oilfield asset via an artificial intelligence (AI)-based Integrated Production Management Architecture (IPMA)**


**From Chemical Process Diagnosis to Cancer Prognosis. An Integrated Approach for Diagnosis and Sensor/Marker Selection**


Hedjazi, L., Aguilar-Martin, J., Le Lann, M.-V.

**Similarity-margin based feature selection for symbolic interval data**


Camargo, E., Aguilar, J., Ríos, A., Rivas, F., Aguilar-Martin, J.

**Intelligent supervision systems for improving the industrial production performance in oil wells**

Hedjazi, L., Kempowsky-Hamon, T., Despènes, L., Le Lann, M.-V., Elgue, S., Aguilar-Martin, J.

Sensor placement and fault detection using an efficient fuzzy feature selection approach

Camargo, E., Aguilar, J., Ríos, A., Rivas, F., Aguilar-Martin, J.

Optimization model based on genetic algorithms for oil wells

Hedjazi, L., Kempowsky-Hamon, T., Le Lann, M.-V., Aguilar-Martin, J.

Prognosis of breast cancer based on a fuzzy classification method

Camargo, E., Aguilar, J., Ríos, A., Rivas, F., Aguilar-Martin, J.

Parameters Estimation in petroleum wells using artificial intelligence

Kabbaj, N., Doncescu, A., Aguilar-Martin, J.

Parity relations based on elimination theory for fault detection in a bioprocess

Camargo, E., Aguilar, J., Ríos, A., Rivas, F., Aguilar-Martin, J.

A neo-fuzzy approach for bottom parameters estimation in oil wells
Camargo, E., Aguilar, J., Ríos, A., Rivas, F., Aguilar-Martin, J.

**Nodal analysis-based design for improving gas lift wells production**


Orantes, A., Kempowsky, T., Le Lann, M.-V., Aguilar-Martin, J.

**A new support methodology for the placement of sensors used for fault detection and diagnosis**


Jorion, F., Maillard, C., Martin, J.C., Donnet, L., Drin, N.

**The FUTURIX-FTA experiment in pheNIX: Status of oxides fuels fabrication**


**Process monitoring using residuals and fuzzy classification with learning capabilities**


Doncescu, A., Aguilar-Martin, J., Atine, J.-C.

**Image color segmentation using the fuzzy tree algorithm T-LAMDA**


Kempowsky, T., Subias, A., Aguilar-Martin, J., Travé-Massuyès, L.

**A discrete event model for situation awareness purposes**

Kempowsky, T., Subias, A., Aguilar-Martin, J.

Process situation assessment: From a fuzzy partition to a finite state machine

Aceves-López, A., Aguilar-Martin, J.

A simplified version of Mamdani's fuzzy controller: The natural logic controller

Miliou, N., Vassilaki, M., Acevez, A., Aguilar-Martin, J., Bitsoris, G.

Stability analysis of a multivariable fuzzy controller

Aguilar-Martin, J., Estruch, R.S., Waissman, J., Haenlein, L.

Knowledge-based signal analysis and case-based condition monitoring of a machine tool

Naud, O., Aguilar-Martin, J.

Event-based supervision for mechanical equipment with human interaction or control

Aceves Lopez, A., Aguilar Martin, J.

A new simplified version of the fuzzy controller: The natural logic controller
Shmilovici, A., Aguilar-Martin, J.

Improving fuzzy systems identification with data transformations

Shmilovici, A., Aguilar-Martin, J.

Adaptive matching pursuit of NARX models with spline basis functions

Neves Jr., F., Aguilar-Martin, J.

Qualitative event-based expert supervision for transient condition monitoring

Chevalier, Emmanuel, Aguilar Martin, Joseph, Blanch i Colomb, Gil, Mesas Laserna, Jose Luis

Hybrid manufacturing line supervision and diagnosis by means of fuzzy rules connected with a causal graph

Neves Jr., Flavio, Shmilovici, Armin, Aguilar-Martin, Joseph

Identification of distillation column operating conditions with orthogonal matching pursuit

Rakoto-Ravalontsalama, N., Aguilar-Martin, J.

Knowledge-based modelling of a TV-tube manufacturing process
Danes, Patrick, Aguilar-Martin, Joseph

*Symbolic-numeric interface: A 'zosteric' approach*


Aguilar-Martin, J.

*Qualitative control, diagnostic and supervision of complex processes*


Danes, P., Trave-Massuyes, L., Aguilar-Martin, J.

*Generic method for computing the response of a numerically-known dynamic system to qualitative inputs*


Rakoto-Ravalontsalama, N., Aguilar-Martin, J.

*Automatic clustering for symbolic evaluation for dynamic systems supervision*


Carrete, Nuria Piera, Aguilar-Martin, Joseph

*Controlling selectivity in nonstandard pattern recognition algorithms*


Aguilar-Martin, J., Jarachi, F., Chan, M.

*Partitioned identification techniques from Poisson observations: application to cerebral blood flow estimation*

Piera, N., Debroches, Ph., Aguilar-Martin, J.

Variation points in pattern recognition

Santos-Mendes, Rafael, Aguilar-Martin, Joseph

Robust pole placement design

Piera, N., Aguilar-Martin, J., Sanchez, M.

Mixed connectives between Min and Max.

Battarel, G., Kung, R., Martin, J.C., Vilain, B.

INTRODUCTION OF NEW SERVICES IN THE FRENCH TELEPHONE NETWORK.

Bastien, D., Malhouitre, G., Martin, J., Panossian, J., Rastoin, J.

Nuclear Reactor Development Research in France. [LA RECHERCHE POUR LE DEVELOPPEMENT DES REACTEURS NUCLEAIRES EN FRANCE.]

Aguilar-Martin, J.

PROJECTIVE MARKOV PROCESSES.
Aguilar-Martin, J., Rambal, S.

**ECOLOGICAL MODEL IDENTIFICATION VIA THE PARTITIONING FILTER.**

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Aguilar-Martin, J., Rambal, S.

**IDENTIFICATION OF AN ECOLOGICAL MODEL BY PARTITIONING FILTER PLANT GROWTH IN ARID REGIONS.**


Seif, A., Aguilar-Martin, J.

**Multi-group classification using fuzzy correlation**


Salut, G., Aguilar-Martin, J., Lefebvre, S.

**NEW RESULTS ON OPTIMAL JOINT PARAMETER AND STATE ESTIMATION OF LINEAR STOCHASTIC SYSTEMS.**


Lefebvre, S., Desantis, R.M., Salut, G., Aguilar-Martin, J.

**APPLICATION OF SALUT APPROACH TO THE IDENTIFICATION OF A TWO AREA POWER SYSTEM.**

Aguilar Martin, J.

**LINEAR ESTIMATION OF LINEAR MAPPINGS FOR THE IDENTIFICATION OF NON-LINEAR DYNAMIC SYSTEMS.**


Martin, J.C.

**ANALYSIS OF INTERNAL STEAM DRIVE IN GEOTHERMAL RESERVOIRS.**